

## **Fireside Corrosion Testing of Candidate Superheater Tube Alloys, Coatings, and Claddings**

### **Project Lead**



Foster Wheeler  
Development Corporation  
Livingston, NJ

### **Description**

The purpose of this project is to provide comprehensive corrosion data for selected advanced austenitic tube alloys in simulated coal ash environments. ORNL- modified alloys and standard comparison alloys have been examined. The variables affecting coal ash corrosion and the mechanisms governing oxide breakdown and corrosion penetration are being evaluated. Corrosion rates of the test alloys are determined as functions of temperature, ash composition, gas composition, and time.

**Duration: 10/1/97 - 9/30/01**

### **Product Support Areas**

<b>Gasification Technologies</b>	<b>Combustion Technologies</b>	<b>Sequestration</b>	<b>Environmental &amp; Water Resources</b>	<b>Advanced Turbine &amp; Engines</b>	<b>Fuel Cells</b>
					



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